Title (en)

REMOVABLE BATTERY CARTRIDGE FOR FACEMASK

Title (de)

ENTFERNBARER AKKUPACK FÜR GESICHTSMASKEN

Title (fr)

CARTOUCHE DE BATTERIE AMOVIBLE POUR MASQUE FACIAL

Publication

**EP 3442666 B1 20231213 (EN)**

Application

**EP 17733094 A 20170414**

Priority

- US 201662322936 P 20160415
- US 2017027547 W 20170414

Abstract (en)

[origin: WO2017180940A1] A face seal (12) for a respirator mask (10) includes an integrated strap (14) with a buckle (16). The integrated strap (14) is overmolded onto the buckle (16) to secure the buckle (16) to, and at least partially within, the strap (14). A respirator mask (10) includes a body (18) and a face seal (12). A method of manufacturing a face seal (12) for a respirator mask (10) includes overmolding a material of at least a portion of an integrated strap (14) onto a body portion (38) of a buckle (16) such that a head portion (36) of the buckle (16) is exposed from the integrated strap (14), the buckle body portion (38) including a plurality of structural features (46) that enhances bonding between the buckle body portion (38) and the overmolded material.

IPC 8 full level

**A62B 18/02** (2006.01); **A44B 11/00** (2006.01); **A62B 18/08** (2006.01); **F16G 11/00** (2006.01)

CPC (source: EP KR US)

**A41D 13/1161** (2013.01 - US); **A44B 11/2553** (2013.01 - KR); **A62B 9/00** (2013.01 - KR); **A62B 9/04** (2013.01 - KR); **A62B 18/02** (2013.01 - EP US); **A62B 18/04** (2013.01 - KR); **A62B 18/08** (2013.01 - KR US); **A62B 18/084** (2013.01 - EP KR US); A44B 11/006 (2013.01 - US); H01M 2220/30 (2013.01 - US); Y02E 60/10 (2013.01 - EP)

Citation (examination)

- US 6121881 A 20000919 - BIEBACK JOHN S [US], et al
- US 2015290039 A1 20151015 - MCCULLOCH DAVID [US], et al
- JP S5997678 A 19840605 - SHIODA SHINZOU
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